

CLAIMS:

1. A vibration control mount apparatus comprising:

a case body mounted on a mount base member;

an elastic body mounted on the case body;

a sealing chamber formed in the case body;

a viscosity change fluid which is sealed in the sealing chamber and of which viscosity is changed;

a movable body that has a damper plate which moves while receiving resistance from the viscosity change fluid in the sealing chamber and that is supported by the elastic body;

acceleration detecting means for detecting vibration acceleration of the movable body; and

viscosity variable controlling means for changing the viscosity of the viscosity change fluid in accordance with vibration acceleration detected by the acceleration detecting means.

2. The vibration control mount apparatus according to claim 1, wherein

the viscosity change fluid is a magnetic viscous fluid of which viscosity is changed by a magnetic field; and

the viscosity variable controlling means forms the magnetic field in accordance with vibration acceleration detected by the acceleration detecting means to change the viscosity of

the magnetic viscous fluid.

3. The vibration control mount apparatus according to claim 1, wherein

the viscosity change fluid is an electric viscous fluid of which viscosity is changed by application of voltage; and

the viscosity variable controlling means applies voltage in accordance with vibration acceleration detected by the acceleration detecting means to change the viscosity of the electric viscous fluid.

4. The vibration control mount apparatus according to claim 1, wherein the viscosity variable controlling means raises viscosity of the viscosity change fluid during residual vibration generated by a shock.

5. The vibration control mount apparatus according to any one of claims 1 to 4, wherein

the mount base member is a turning frame of a working machine; and

a cab floor member is mounted on the movable body.